

ABSTRACT

- 5 A system and method for coding identification in a wireless transmit and receive protocol for single-frequency peripheral devices. A wireless system, consisting of a first data transmitting unit, a second data transmitting unit, and a data receiving unit, is able to send a packet twice using an Amplitude-Shift Keying (ASK) Modulation technique, repeated sending, and a single frequency, during one packet transmission. In order to lower the cost of the wireless module, the length of a packet transmission period is to be four times the sum of
- 10 the time required to send two separate packets, thus allowing simultaneous control of two data transmitting units, and recognition of two different packets using a single data receiving unit.